

ALBERTO URSINO

Junior Software Engineer



CONTACT

- ✉ albertoursino98@gmail.com
- 🐙 GitHub profile
- in LinkedIn profile
- 💻 Personal website

ABOUT ME

Tools

Linux, VSCode, Git, Poetry, pre-commit, Fork, LaTeX, GitHub, Jira, Bitbucket, Trello, OpenShift, AWS, Android Studio.

Programming languages

Python, Java, C++, JavaScript, HTML, CSS.

Packages

Django, TensorFlow, Pandas, scikit-learn, DVC.

Work style

I love writing code. I feel comfortable working in a team. I find the agile software development to be the most effective approach for my work.

Looking for

Hybrid job with a preference for Austria, Germany, Switzerland, and Portugal. I would like to improve my coding skills and participate in interesting projects.

EDUCATION

Master's degree in Computer Engineering
University of Padua, Italy

2021 - 2024

Curriculum: Artificial Intelligence & Robotics

Bachelor's degree in Computer Engineering
University of Padua, Italy

2017 - 2021

Scientific high school diploma
Liceo Primo Levi of Montebelluna, Italy

2012 - 2017

WORK EXPERIENCE

Machine Learning Engineering Intern
Infineon Technologies - Villach, Austria

12.23 - 05.24

My goal was to refactor and adapt a ML pipeline within an Infineon internally developed AI framework. The pipeline was designed to train a CNN in classifying defects from wafer test images. I worked with **Python**, **TensorFlow**, **Git** and **DVC**.

Data Engineering Intern
Infineon Technologies - Villach, Austria

09.23 - 11.23

My assignments were to explore and implement new methods to enhance the communication and data exchange among different software components. I worked with **Python**, **Pandas**, **Git**, **OpenShift** and **RestAPI**.

Data Analysis Intern
Swegon Operations Srl - Cantarana di Cona, Italy

03.23 - 10.23

University internship for my Master's thesis. Our goal was to investigate the feasibility of introducing anomaly detection in heat pump machines. We designed a data pipeline and built an outlier detection algorithm for identifying anomalies in a time-series dataset. We worked with **Python**, **Pandas**, **scikit-learn**, **DVC** and **Git**.

Full Stack Developer
GloobETF - Montebelluna, Italy

05.22 - 04.23

I worked as a freelancer for a financial advisor. We developed Portafoglio Protetto which is a web app intended for investors, that aims to provide and recommend high-performance securities, and facilitate the management of a financial portfolio. I developed with **Django**.

PROJECTS

Personal Website
Web Development & DevOps

2024

Personal project with the goal of experimenting with **AWS** and improving my skills with **Django**.

Briscola GUI
Software Development

2023

Part of a university project carried out in the course "Reinforcement Learning" of my Master's degree. My goal was to build a GUI for the game *Briscola*. I used **Python** and **Tkinter**.

Tennis Matches
Software Development

2022

Personal project with the goal of developing an Android app that allows you to create opponent profiles and keep track of the tennis matches played with them, specifying the result and much more. I used **Java**, **Git** and **Android Studio**.

Hands Detection and Segmentation
Computer Vision

2022

University project carried out in the course "Computer Vision" of my Master's degree. Our goal was to apply computer vision techniques to detect and subsequent segment hands in 2D images. We coded in **C++**.

Graphs Comparison
Graph Analysis

2022

University project carried out in the course "Learning from network" of my Master's degree. Our goal was to compare two graphs in order to find interesting similarities. We used **Python** and **NetworkX**.

Dog's Pose Estimation
Deep Learning & Computer Vision

2020

University research project for my Bachelor's thesis. Our goal was to train a DNN to perform the binary segmentation of dogs from 2D movies, and subsequently predict their posture by reconstructing the skeleton from the silhouette. I used **Git**, **Java** and **TensorFlow**.

RingUp
Software Engineering

2019

University project carried out in the course "Software Engineering" of my Bachelor's degree. We developed an Android app that allows you to make a phone ring even if it is on mute, just by sending a SMS. We learned how to use **Git**, and developed in **Java** and **Android Studio**.

LANGUAGES

English B2 - Speaking
University of Padua

15.09.2022

English B2 - Reading and Listening
University of Padua

29.06.2020